## In the Claims

- 1. (Currently Amended) A method for designing filters that approximates the circularly symmetric frequency response achievable using a non-separable filter comprising:
- (a) selecting a cut-off frequency and designing therefrom a 1–D–one-dimensional separable low pass filter (LP), LP being a row vector having entries LP such that: LP =  $[X_{-n}, X_{-(n-1)}, ... X_0, ... X_{n-1}, X_n];$
- (b) obtaining a 2-D-two-dimensional filter LPP by performing the operation: LP\* X LP, wherein LP\* is-being a column vector having the same entries as LP, and LPP having dimensions given by: {2n+1, 2n+1};
- (c) and generating a 2-D-two-dimensional countour contour plot for the two-dimensional filter LPP-therefor;
- (d)(e) designing a 1–D-one-dimensional separable high pass filter (HP), HP being a row vector having entries such that: HP =  $[Y_{-m}, Y_{-(m-1)}, ... Y_0, ... Y_{m-1}, Y_m]$ ;
- (e)(d) obtaining a 2-D-two-dimensional filter HPP by performing the operation: HP\* X HP, wherein HP\* is-being a column vector having the same entries as HP, and HPP having dimensions: {2m+1, 2m+1};
- (f) and obtaining generating a 2-D-two-dimensional contour plot for the two-dimensional filter HPP-therefor; (e) repeating (c) through (d) until the 2-D contour plot of HPP overlaps the 2-D countour plot of LPP;
- (g)(f) generating a 2-D-two-dimensional filter (ONE) when the two-dimensional contour plot for the two-dimensional separable filter LPP overlaps the two-dimensional contour plot for the two-dimensional separable filter HPP, ONE having the same dimensions of that of HPP with the only non-zero entry of value 1 being located at the center of ONE;
- (h)(g) creating matrix HPPinv by subtracting HPP from ONE to create matrix HPPinv;
- (h)(g) convolving LPP with HPPinv to obtain DSCRN having dimensions:  $\{2m+2n+1, 2m+2n+1\}$ ;

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(i) and obtaining generating a 2-D-two-dimensional contour plot for DSCRN therefor; and

(j)(i) constructing a filter to eliminate moiré in a rendered image when-repeating (a) through (h) until, by an examination of the 2-D-two-dimensional contour plot-of\_for DSCRN, is an approximation to a desired circular symmetry is achieved, the filter being constructed of LLP and HHP.

Claims 2-6 (Cancelled)